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PATENT
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I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 3, 2004

Date

Denise Sheridan

Denise Sheridan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/642,546

Confirmation No. : 7867

Applicants : Brent Keeth et al.

Attorney Docket No. : 500644.01

Filed : August 17, 2000

Customer No. : 27,076

Art Unit : 2188

Examiner : Reginald G. Bragdon

Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY
AS CACHE MEMORY**REQUEST FOR CONTINUED EXAMINATION (RCE)**
UNDER 37 C.F.R. § 1.114**RECEIVED**

MAR 17 2004

Technology Center 2100

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant requests continued examination, under 37 C.F.R. § 1.114, of the above-identified application.

1. Submission Required Under 37 C.F.R. § 1.114a. ☐ Submission previously submittedi. ☐ Consider the amendment/reply under 37 C.F.R. § 1.116 previously filed on _____.ii. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____.iii. ☐ Consider the Information Disclosure Statement (IDS) previously filed on _____.



- b. ☒ Submission enclosed
- i. ☐ Amendment/Reply
 - ii. ☐ Affidavit(s)/Declaration(s)
 - iii. ☒ Supplemental Information Disclosure Statement (Supp. IDS)

2. Suspension of Action (Period of suspension shall not exceed 3 months; fee under 37 C.F.R. § 1.17(i) required)

- ☐ Suspension of action on the above-identified application is requested under 37 C.F.R. § 1.103(c) for a period of ____ months.

3. Accompanying Papers

- ☒ Postcard
☒ Check
☒ Fee Transmittal Sheet

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4. Deposit Account

- ☒ The Commissioner is authorized to charge any additional fees required or credit any overpayment to Deposit Account No. 50-1266.

Respectfully submitted,

Brent Keeth et al.

Date:

March 9, 2004

By:

Edward W. Bulchis

Edward W. Bulchis

Reg. No. 26,847

Customer No. 27,076

Dorsey & Whitney LLP

1420 Fifth Avenue, Suite 3400

Seattle, WA 98101

(206) 903-8785

Attorney for Applicants

h:\ip\documents\clients\micron technology\600\500644.01\500644.01 rce trans.doc



**FEE TRANSMITTAL SHEET
(FOR FY 2004)**

Complete if Known	
Application No.	09/642,546
Filing Date	August 17, 2000
First Named Inventor	Brent Keeth et al.
Group Art Unit	2188
Examiner	Reginald G. Bragdon
Atty. Docket Number	500644.01

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METHOD OF PAYMENT (Check One)	FEE CALCULATION (Continued)																																																																																																																																																																												
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: <u>DORSEY & WHITNEY LLP</u></p> <p>2. <input checked="" type="checkbox"/> Check Enclosed</p>	<p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - Late filing fee or oath</td><td>\$</td></tr><tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>\$</td></tr><tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td>\$</td></tr><tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For Filing a Request for <i>ex parte</i> Reexamination</td><td>\$</td></tr><tr><td>1804</td><td>920</td><td>1804</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td>\$</td></tr><tr><td>1805</td><td>1,840</td><td>1805</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td>\$</td></tr><tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td>\$</td></tr><tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within 2nd month</td><td>\$</td></tr><tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within 3rd month</td><td>\$</td></tr><tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within 4th month</td><td>\$</td></tr><tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within 5th month</td><td>\$</td></tr><tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td>\$</td></tr><tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td>\$</td></tr><tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td>\$</td></tr><tr><td>1814</td><td>110</td><td>2814</td><td>55</td><td>Terminal Disclaimer Fee</td><td>\$</td></tr><tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td>\$</td></tr><tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td>\$</td></tr><tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility/Reissue issue fee</td><td>\$</td></tr><tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td>\$</td></tr><tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td>\$</td></tr><tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td>\$</td></tr><tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td>\$</td></tr><tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of IDS</td><td>\$</td></tr><tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>\$</td></tr><tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td>\$770</td></tr><tr><td colspan="5">Other fee (specify)</td><td>\$</td></tr><tr><td colspan="5" style="text-align: right;">Subtotal (3)</td><td>\$770</td></tr></tbody></table>	Large Entity		Small Entity		Fee Description	Fee paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - Late filing fee or oath	\$	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	\$	1053	130	1053	130	Non-English specification	\$	1812	2,520	1812	2,520	For Filing a Request for <i>ex parte</i> Reexamination	\$	1804	920	1804	920	Requesting publication of SIR prior to Examiner action	\$	1805	1,840	1805	1,840	Requesting publication of SIR after Examiner action	\$	1251	110	2251	55	Extension for reply within first month	\$	1252	420	2252	210	Extension for reply within 2 nd month	\$	1253	950	2253	475	Extension for reply within 3 rd month	\$	1254	1,480	2254	740	Extension for reply within 4 th month	\$	1255	2,010	2255	1,005	Extension for reply within 5 th month	\$	1401	330	2401	165	Notice of Appeal	\$	1402	330	2402	165	Filing a brief in support of an appeal	\$	1403	290	2403	145	Request for oral hearing	\$	1814	110	2814	55	Terminal Disclaimer Fee	\$	1452	110	2452	55	Petition to revive - unavoidable	\$	1453	1,330	2453	665	Petition to revive - unintentional	\$	1501	1,330	2501	665	Utility/Reissue issue fee	\$	1502	480	2502	240	Design issue fee	\$	1503	640	2503	320	Plant issue fee	\$	1460	130	1460	130	Petitions to the Commissioner	\$	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	\$	1806	180	1806	180	Submission of IDS	\$	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$	1801	770	2801	385	Request for Continued Examination (RCE)	\$770	Other fee (specify)					\$	Subtotal (3)					\$770
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Total Amount of Payment: \$770																																																																																																																																																																													

Submitted by:

Name: Edward W. Bulchis	Reg. No.: 26,847	Telephone: (206) 903-8800
Signature:		Date: March 4, 2004

MAR 15 2004

TRANSMITTAL SHEET (FOR FY 2004)

Complete if Known

Application No. 09/642,546
 Filing Date August 17, 2000
 First Named Inventor Brent Keeth et al.
 Group Art Unit 2188
 Examiner Reginald G. Bragdon
 Atty. Docket Number 500644.01

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MAR 17 2004

Technology Center 2100

METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. ☒ Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1001	770	2001	385	<input type="checkbox"/> Utility Filing Fee
1002	340	2002	170	<input type="checkbox"/> Design Filing Fee
1003	530	2003	265	<input type="checkbox"/> Plant Filing Fee
1004	770	2004	385	<input type="checkbox"/> Reissue Filing Fee
1005	160	2005	80	<input type="checkbox"/> Provisional Filing Fee

Subtotal (1) \$0

2. EXTRA CLAIM FEES

Current Claims	Prior	Extra	Fee	Fee Paid
Total	- 20	=	x \$	= \$
Ind.	- 3	=	x \$	= \$
Multiple Dependent Claims		x	\$	= \$

Subtotal (2) \$0

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent Claim
1204	86	2204	43	Reissue independent claims over original patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - Late filing fee or oath	\$
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8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$
1801	770	2801	385	Request for Continued Examination (RCE)	\$770

Other fee (specify)

Subtotal (3) \$770

Total Amount of Payment: \$770

Submitted by:

Name: Edward W. Bulchis

Reg. No.: 26,847

Telephone: (206) 903-8800

Signature:

Date:

March 4, 2004



PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 3, 2004
Date

Denise Sheridan
Denise Sheridan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/642,546	Confirmation No. : 7867
Applicants : Brent Keeth et al.	Attorney Docket No.: 500644.01
Filed : August 17, 2000	Customer No. : 27,076
Art Unit : 2188	Examiner : Reginald G. Bragdon
Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY AS CACHE MEMORY	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Technology Center 2100

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP

A handwritten signature in black ink, appearing to read "Edward W. Bulchis". The signature is fluid and cursive, with a large initial "E" and "B".

Edward W. Bulchis
Registration No. 26,847

EWB:dms

Enclosures:

Postcard
Form PTO-1449
Cited References (47)

1420 Fifth Avenue, Suite 3400
Seattle, WA 98101
Telephone (206) 903-8800
Facsimile (206) 903-8820

h:\ip\documents\clients\micron technology\600\500644.01\500644.01 rce sids.doc

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
500644.01APPLICATION NO.
09/642,546

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

Brent Keeth et al.

FILING DATE

August 17, 2000

GROUP ART UNIT

2188

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,287,481	02/15/94	Lin	395	425	
	AB	5,421,000	05/30/95	Fortino et al.	395	425	
	AC	5,471,601	11/28/95	Gonzales	395	403	
	AD	5,509,132	04/16/96	Matsuda et al.	395	403	
	AE	5,577,223	11/19/96	Tanoi et al.	395	445	
	AF	5,677,878	10/14/97	Shirley et al.	365	189.11	
	AG	5,699,317	12/19/97	Sartore et al.	365	230.06	
	AH	5,721,862	02/24/98	Sartore et al.	395	445	
	AI	5,777,942	07/07/98	Dosaka et al.	365	230.03	
	AJ	5,787,457	07/28/98	Miller et al.	711	105	
	AK	5,829,026	10/27/98	Leung et al.	711	122	
	AL	5,829,036	10/27/98	Klein	711	141	
	AM	5,831,924	11/03/98	Nitta et al.	365	230.03	
	AN	5,835,401	11/10/98	Green et al.	365	149	
	AO	5,875,451	02/23/99	Joseph	711	105	
	AP	5,875,452	02/23/99	Katayama et al.	711	105	
	AQ	5,943,681	08/24/99	Ooishi	711	105	
	AR	6,061,759	05/09/00	Guo	711	105	
	AS	6,088,760	07/11/00	Walker et al.	711	104	
	AT	6,128,700	10/03/00	Hsu et al.	711	122	
	AU	6,131,140	10/10/00	Rodgers et al.	711	104	
	AV	6,151,269	11/21/00	Dosaka et al.	365	233	
	AW	6,151,664	11/21/00	Borkenhagen et al.	711	150	
	AX	6,170,036 B1	01/02/01	Konishi et al.	711	104	

EXAMINER

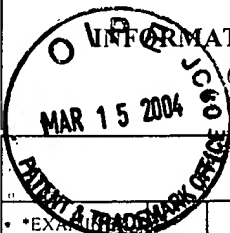
DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 500644.01		APPLICATION NO. 09/642,546	
 <p>INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)</p>				APPLICANT(S) Brent Keeth et al.			
				FILING DATE August 17, 2000		GROUP ART UNIT 2188	
U.S. PATENT DOCUMENTS							
* EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AY	6,172,893 B1	01/09/01	Ryan	365	49		
AZ	6,173,356 B1	01/09/01	Rao	711	5		
BA	6,178,133 B1	01/23/01	Manning	365	230.03		
BB	6,189,073 B1	02/13/01	Pawlowski	711	120		
BC	6,215,497 B1	04/10/01	Leung	345	419		
BD	6,226,755 B1	05/01/01	Reeves	713	400		
BE	6,256,707 B1	07/03/01	Ooishi	711	118		
BF	6,289,413 B1	09/11/01	Rogers et al.	711	105		
BG	6,339,817 B1	01/15/02	Maesako et al.	711	165		
BH	6,347,063 B1	02/12/02	Dosaka et al.	365	233		
BI	6,360,292 B1	03/19/02	Manning	711	5	RECEIVED MAR 17 2004 Technology Center 2100	
BJ	6,415,353 B1	07/02/02	Leung	711	106		
BK	6,438,016 B1	08/20/02	Keeth et al.	365	69		
BL	6,445,636 B1	09/03/02	Keeth et al.	365	222		
BM	6,466,507 B2	10/15/02	Ryan	365	230.01		
BN	6,477,073 B1	11/05/02	Keeth et al.	365	51		
BO	6,477,631 B1	11/05/02	Martin et al.	711	167		
BP	6,563,758 B2	05/13/03	Shau	365	230.05		
BQ	6,564,284 B2	05/13/03	Christenson	711	5		
BR	6,587,918 B1	07/01/03	Christenson	711	106		
BS	6,601,141 B2	07/29/03	Ooishi	711	117		
BT	6,629,188 B1	09/30/03	Minkin et al.	711	3		
BU	6,697,909 B1	02/24/04	Wang et al.	711	106		
EXAMINER				DATE CONSIDERED			
<p>* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).</p>							